

CATGAAGGTTCTCTCTGTCTGCTTCTCTTTCTTCTGTCTCAGTGCGAGCTACTGAGCAACCCGAGGTCTGCTACTG
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TGGCAGAACTTCTGTGGGCAGGAGACGTTATGGGGCCGAGTCCCAGAACCCACGGTGAAAGCACTGCTCATCGTGGC
CTACTCATTCACCATCGTCTTCTCGCTCTTCGGTAATGTCCTGGTCTGTTCATGTCATCTTCAAGAACCAGCGCATGC
ACTCGGCCACCAGCCTCTTTCATTGTCAACCTGGCAGTGGCGGACATCATGATCACATTGCTCAACACGCCCTTCAC
TTGGTCCGCTTTTGTGAACAGCACATGGGTGTTTGGGAAGGGCATGTGTCATGTCTAGTTCGCTTTTGTCTCAGTACTGTT
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TGGCCTATGCTCGTGTGGCCAAGAAGCTGTGGCTCTGTAAACACCATTGGCGACGTGACCACAGAGCAGTACCTCGCC
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CAACTGCTATGTCTCTCTTGTGTCAGCAAGGCCATCCACACCAACAATGCCCTCTACTTTGCCTTCCACTGGTTTG
CCATGAGCAGTACTTGTATATAACCCCTTCATCTACTGCTGGCTCAATGAGAACTTTAGGGTTGAGCTTAAGGCATTG
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CTCACAAATTGACCAGACACTAACAGAGTTGGAAAGTAACACAGAAGCAGTGAGATGCTTGGGTTTCTAGGAACCTGT
CCAGCCCCATCTGATTGCAAACTTTCTAGAAGATGCCATGAGGTGGTGTGTGTAGATCTTTGAGCAAGAGCTCTGG
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ACTGCTGAGCAACCACAGGGGGACTTGAGCCATACTATTGGTGGGCTGCCCCACATGCTCAGAAAAGAACAGGCAC
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TCAGGCTCTCAATTTGTAATAAAAGAAAAAGAAAAAAGAAAAAGAAAAAGCTGTTAAATATGCTGTA
AATTTATCTGTAGCTTTGCTTCTGTGTGTGTACATTTGTACTTTTAAATCCTGAACTACACGTGTCCATGTAGAT
TGTAATAATTAGCAAGAACTGGAATATATCAGAGTATTATTGAATTC (SEQ ID NO:1)

MKVPPVLLLLFLLSSVRATEQPQVVTEHPSMEAALTGPNASSHFWANYTFSDWQNFVGRRRYGAESQNPTVKALLIVA
YSFTIVFSLFGNVLVCHVIFKNQRMHSATSLSFIVNLAVADIMITLLNTPFTLVRVFNSTWVFGKGMCHVSRFAQYCS
LHVSALTLTAIAVDRHQVIMHPLKPRISITKGVIYIAVIVVMATFFSLPHAICQKLFTFKYSEDIVRSLCLPDFPEP
ADLFWKYLDLATFILLYLLPLFIIISVAYARVAKKLWLNCNITGDVTTEQYALARRKKKT'VKMLVLVVVLFALCWFPL
NCYVLLSSKAIHTNNALYFAFHWAMSSCTNPFIYICWLNENFRVELKALLSMCQRPPKPQEDRLPSPVSPFRVAW
TEKSHGRRAPLPNHLLPSSQIQSGKTDLSSVEPVVAMS (SEQ ID NO:2)

Underlined = deleted in targeting construct

Bold = sequence flanking Neo insert in targeting construct

GGGGTGGCAGTCGGCACCATCAGGCTCCCTTGGCGTTTCGGAGTTTCTCTGTGGTCCCG
ACTCTCCGGAGGATCTCGGTTGTCTCCCAAGTCGGAACCTGGCACGGTCCAGGTTCACTC
GGAGGTCCGGGCTTCCTCTGTGCCCCGTGCCCCCTCGCTCCAGGCTCCCTCTGTGGTGTG
GACTCCTCTAGCCCCGTGCGCTCAGCCCCCTCGCACCCAGCCTCCAGGCACAGAGCCCGGC
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ACACTTTCTCTGACTGGCAGAACTTCGTGGGCAGGAGACGTTATGGGGCCGAGTCCCAGA
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TCACTTTGGTCCGCTTTGTGAACAGCACATGGGTGTTTGGGAAGGGCATGTGTCACTGTCA
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GCCAGAACTGTTTACCTTCAAGTACAGTGAGGACATTGTGCGCTCCCTCTGCCTGCCGG
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GGCTCTGTAAACACCATTTGGCGACGTGACCACAGAGCAGTACCTCGCCCTGCGACGCAAGA
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AGAAGAGCCATGGTCCGAGGGCTCCACTACCTAATCACCACTTGCCCTCTTCCCAGATCC
AGTCTGGGAAGACAGATCTGTCACTCTGTGGAACCCGTTGTGGCCATGAGTTAGGGAAAGC
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AAAGTAACACAGAAGCAGTGAGATGCTTGGGTTCTTAGGAACCTGTCCAGCCCCATCTGA
TTTGCAAACTTTCTAGAAGATGCCATGAGGTGGTGTGTGTAGATCTTTGAGCAAGAGCTC
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CTTGCCACCTTGCCCTTCTTACTGCTGAGCAACCACAGGGGGACTTGAGCCATATTG
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GAAACTGGAATATATCAGAGTATTATTGAATTC

FIGURE 2A



3/3

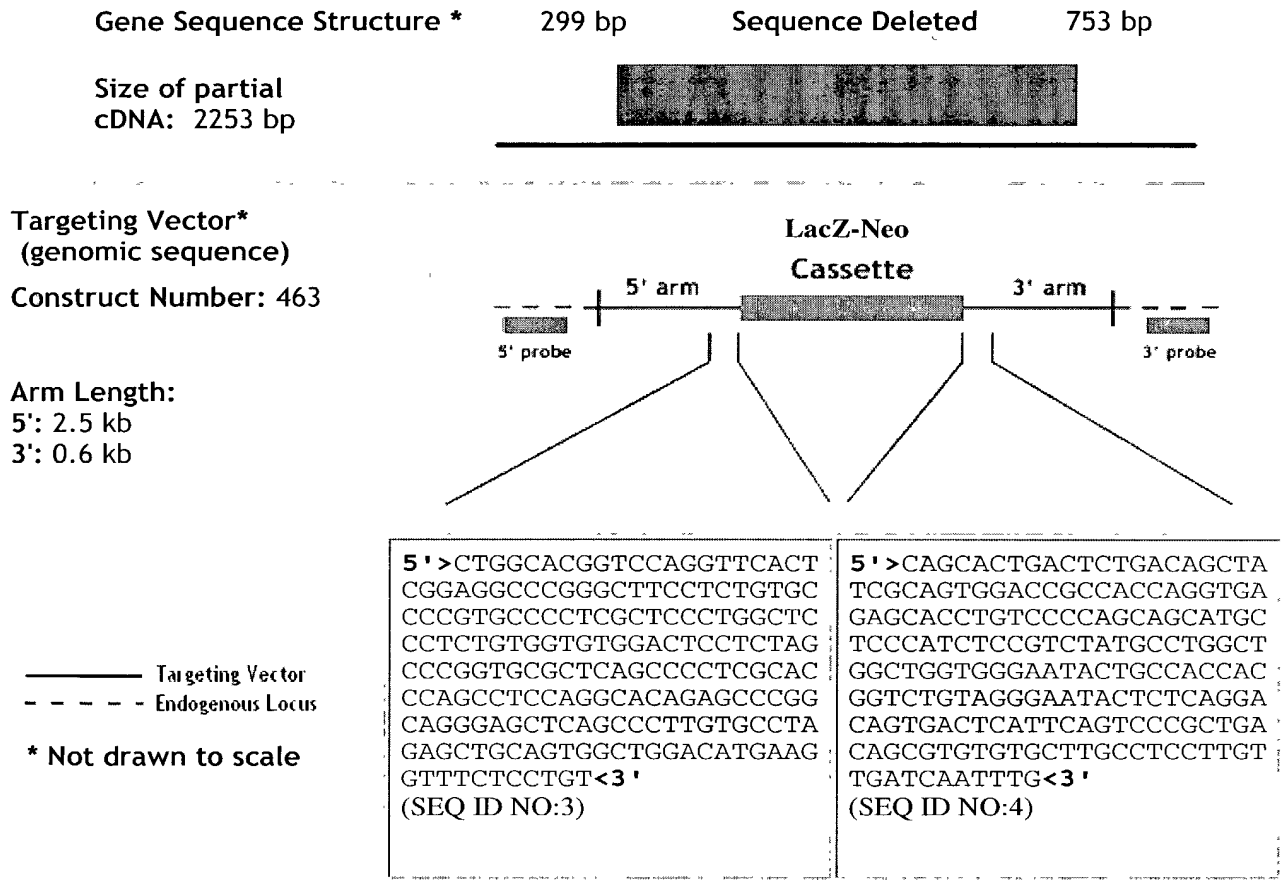


FIGURE 2B